

## International Scientific Committee

The highest scientific standards and the success of the whole conference is guaranteed by an international scientific committee containing highly esteemed researchers of thermal modelling of machine tools and other related research areas.

## Important Dates

Deadline for submission of abstracts:	<b>15.04.2017</b>
Abstract acceptance:	30.05.2017
Submission of full paper:	01.10.2017
Full paper acceptance:	27.11.2017
Submission of final Paper:	06.01.2018

The invitation to submit an abstract does not constitute an offer to pay travel, accommodation or registration costs associated with the conference.

Similarly, no speaker fee is paid to successful participants. All speakers must register for the conference and transfer registration fee. In specific cases the organisation reserves the right to deviate from the standard procedure.

# General Information

## Organisation committee

Prof. Dr.-Ing. Steffen Ihlenfeldt (chairman)  
Prof. Dr.-Ing. Christian Brecher (co-chairman)  
Prof. Dr.-Ing. Matthias Putz (co-chairman)  
David Billington (co-chairman)

## More Information

Website: <http://conference2018.transregio96.de>  
E-Mail: [conference2018@transregio96.de](mailto:conference2018@transregio96.de)

## Conference Location

Innside Dresden  
01067 Dresden  
Salzgasse 4

## Conference Language

English

## Registration

Early bird	450 EUR
Regular participant	480 EUR
On-site	520 EUR

## Sponsored by

CIRP International Academy  
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# Conference on Thermal Issues in Machine Tools

**March, 21st to 23rd, 2018  
Dresden**



Sonderforschungsbereich  
**Transregio 96**



# Call for Papers

## Invitation

We are pleased to invite you to the 1st Conference on Thermal Issues in Machine Tools, which will be held in Dresden, Germany from **March 21 to 23, 2018**.

The conference is a great opportunity for experts from academia and industry in the field of thermal modeling and optimal thermal design of machine tools to present and discuss their findings on a high scientific level. The conference intends to stimulate and support development and knowledge transfer in this field.

The purpose of the 2-day conference is to bring together members of companies and researchers for a mutual exchange of experience and knowledge.

The 1st Conference on Thermal Issues in Machine Tools is jointly organised by **EUSPEN and CRC/TR 96**, which has been working to solve the conflict between reducing energy consumption and increasing accuracy and productivity in machining since 2011.

The topics modeling and simulation, experimental methodology, design and benchmarking were discussed in five previous CRC/TR 96-workshops. One issue was the future knowledge transfer to the economy.

The 1st conference follows up on this path and offers parallel sessions concerning the **topics**

- Measurement of thermal influences on machine tools and workpieces
- Modelling and model reduction techniques
- Compensation and correction of thermal effects
- Design principles for thermally robust machine tools (Machine Tool Elements, Machine Structures)
- Testworkpieces and assessment
- Thermo-energetic design

## Publication

All accepted papers will be published. Authors wishing to submit a paper are requested to upload an abstract of **50 to 100 words** on any of the specific topics covered by this conference until **April 15, 2017**.

Please follow the submission process online at **<http://conference2018.transregio96.de>**.

The abstracts will be reviewed by the international scientific committee. Authors of accepted abstracts will be requested to submit the full paper until October 01, 2017.

Full papers will be published in the conference proceedings. Please use the template provided online for the preparation of the paper. The full version should not exceed a maximum of **6 pages**.

Please e-mail **[conference2018@transregio96.de](mailto:conference2018@transregio96.de)** in case of questions.

new  
deadline

